

## **REMARKS**

Claims 1-18 remain in the application for consideration of the Examiner.

Reconsideration and withdrawal of the outstanding objections and rejections are respectfully requested in light of the above amendments and following remarks.

Claims 4 and 5 were rejected to because of informalities.

Claims 4, 5, 13 and 18 were amended to take into consideration the informalities noted by the Examiner.

It is respectfully submitted that Claims 1-18 are now free from informalities.

Claim 3 was rejected under 35 U.S.C. § 103 as being indefinite.

By the instant amendment, Claim 3 has been amended to take into consideration the helpful comments of the Examiner set forth in the Office Action.

Turning now to the art rejection, Claims 1-3, 5, 6, 8-11, 13-16, and 19 were rejected under 35 U.S.C. § 102(e) as being anticipated by Zhang; and Claims 4 and 18 were rejected under 35 U.S.C. § 103 as being unpatentable over Zhang.

It is respectfully submitted that Zhang does not disclose or suggest the presently claimed invention including the compensation circuit directly coupled between the output terminal of the composite amplifier circuit and the inverting input terminal in independent Claim 1, albeit defined as providing a compensation path directly between the output terminal of the first amplifier and the inverting input terminal in independent Claim 9, albeit defined as a compensation circuit directly coupled between the output terminal of the high speed amplifier and the integrated resistor in independent Claim 13.

The Examiner alleges that capacitor Co of element 516 is capable of functioning as a compensation circuit.

However, capacitor Co is not directly connected as required by the claims in issue.

Applicants appreciate the indication that if Claims 7, 12, and 17 were rewritten in independent form including the limitations of the base claim and any intervening claims, these claims would be allowable.

By the instant amendment, Claims 7, 12, and 17 have been placed in independent form including the limitation of the base claim and any intervening claims.

In light of the above, it is respectfully submitted that the present application is in condition for allowance, and notice to that effect is respectfully requested.

While it is believed that the instant response places the application in condition for allowance, should the Examiner have any further comments or suggestions, it is respectfully requested that the Examiner contact the undersigned in order to expeditiously resolve any outstanding issues.

To the extent necessary, Applicant petitions for an Extension of Time under 37 CFR 1.136. Please charge any fees in connection with the filing of this paper, including extension of time fees, to the deposit account of Texas Instruments Incorporated, Account No. 20-0668.

Respectfully submitted,



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